

This purchase request is for the replacement of an 18 year old Dual Head Wet Belt Sander in the Precision Assembly Group in Code 547. The machine being requested is used to de-burr and provide a quality finish on flight, non-flight, ground support, mock-up and various other sheet metal components, which the branch manufactures in support of numerous Goddard projects.

- The belt sander must be built to accomplish sanding of 48" wide sheet metal stock
- Dual heads - 1 abrasive belt, 1 abrasive brush
- The abrasive brush shall be a 6-inch diameter nylon impregnated brush with a ¼ H.P. or better oscillation unit
- The controls shall be mounted on the operator side of the machine, including an emergency stop button.
- SealMaster bearings
- Self-adjusting, air operated brakes
- Safety interlocks for protection of equipment and operator
- Electronic perimeter emergency stop system
- All warning placards/stickers shall be applied in appropriate areas of danger
- Automatic tracking and tensioning
- .020" to 6" material thickness capacity
- Electronic belt tracking sensors must be externally mounted through beam waterproof type.
- Acme screw thread for bed positioning shall be made of 1-1/8" diameter stainless steel or better
- The machine shall incorporate a Lincoln automatic lubrication system
- The air knife drying system shall be 7-1/2 H.P. or better with 4 offset air knives, mounted on top of machine frame.
- Coolant System shall have splashguards and a collection trough together with a complete piping system with all necessary valves, headers and spray nozzles to eliminate the need for a sump pump, to-pump coolant back to the filtering system.
 - Automatic Filtration system to incorporate self-cleaning gravity filters, oil skimmer and all necessary requirements for unit to be interfaced and operated from the control console
- Sheet metal components, elevation screws, guide pins, center post, and recovery tub will be manufactured from stainless steel material.
- Due to limited floor space, the machine must be manufactured to achieve the smallest footprint possible. Any peripheral components shall be mounted to not increase footprint if possible.
- Due to the limited height of required machine location, the machine must be able to be delivered through an area with a vertical height of 109" (9'1"). This may require the machine to be delivered partially disassembled. If necessary, the disassembly and reassembly of the machine in the required location shall be performed by the vendor.
- Any portion of the machine that is taller than 115" must fit lengthwise between 2 structural beams 89" apart.
- The vendor shall provide all necessary documentation for proper maintenance and operation of the machine.
- The vendor shall provide training at GSFC for proper operation and maintenance of the machine.
- The vendor shall offer a fair market value trade allowance for an AEM 37" wide belt sander for trade in. It is an AEM, Model number 137-2HDCMW in fair operable condition. The vendor shall provide an insured rigging company to remove the AEM machine at no charge to NASA.
 - Machine shall be covered under a 2 year warranty.